

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re: Patent Application of : Group Art Unit: Not Yet Assigned
Shinya ABE *et al.* :
: Conf. No.: Not Yet Assigned :
: Appln. No.: Not Yet Assigned : Examiner:
: Filed: Herewith :
: Attorney Docket
For: OPTICAL DISC AND METHOD FOR : No. 10407-009US
MANUFACTURING THE OPTICAL DISC: (A1028MT-US1)

PRELIMINARY AMENDMENT

Simultaneously with the filing of the above-identified application with which this Preliminary Amendment is being filed, and prior to the calculation of the filing fee, Applicant hereby amends the application as follows, without prejudice:

In the Claims:

Please amend the claims as follows:

Please amend claims 11 and 27 to read as follows. A marked-up copy of the amended claims is attached hereto, having the bracketed additions and stricken deletions.

--11. The optical disc of claim 1, wherein the transparent member includes:
a second base plate capable of transmitting the writing/reading radiation;

and

an adhesion layer for bonding the second base plate to the first base plate, and
the first base plate and the second base plate are bonded together via the adhesion
layer.

27. The method of claim 25, wherein the step (c) includes a step of applying
the recording layer on the reflection layer by spin coating.--

REMARKS

Claims 1 to 30 are pending in the application.

The purpose of this amendment is to place the claims in appropriate U.S. form and delete the multiple dependent claims in this application, and thereby eliminate excessive claim fees. Such amendments are formal in nature and no new matter is added by any of the above amendments. A marked-up copy of the amended claims is enclosed to reflect these amendments. Entry of this amendment and early examination of this application are respectfully solicited.

Respectfully submitted,

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Enclosure

recording material containing a dye.

6. The optical disc of claim 5, wherein the recording layer is partially in contact with a surface of the first base plate via opening portions existing in the reflection layer.

7. The optical disc of claim 6, wherein the first base plate is made of a material which reacts with a recording layer irradiated with writing radiation.

8. The optical disc of claim 6, wherein the reflection layer is made of a material having an island-like structure.

9. The optical disc of claim 1, wherein the transparent member is made of a radiation curable resin.

10. The optical disc of claim 1, wherein the transparent member is made of a thermosetting resin.

11. The optical disc of ~~any one of claims 1 to 8~~, wherein the transparent member includes:

a second base plate capable of transmitting the writing/reading radiation;

and

an adhesion layer for bonding the second base plate to the first base

plate, and

the first base plate and the second base plate are bonded together via the adhesion layer.

12. The optical disc of claim 11, wherein the adhesion layer is made of a radiation curable resin.

13. The optical disc of claim 11, wherein the transparent member includes a semitransparent reflection layer and a second recording layer.

14. The optical disc of claim 13, wherein in the second recording layer, read only information is recorded in the form of a groove and/or a pit.

15. The optical disc of claim 11, wherein a protection film capable of transmitting the writing/reading radiation is formed between the first base plate and the adhesion layer.

16. The optical disc of claim 1, wherein a thickness of the transparent member is 0.3 mm or less.

17. The optical disc of claim 16, wherein a thickness of the first base plate is 1.0 to 1.2 mm.

substantially transparent; and

a step of forming a semitransparent film.

23. The method of claim 19, wherein a radiation curable resin is used as the adhesive which is substantially transparent.

24. The method of claim 19, wherein after the application step, a protection film is formed on the recording layer, and a bonding step is performed.

25. A method for fabricating an optical disc comprising the steps of:
preparing a base plate provided with a surface having a recess;
forming a reflection layer on the surface of the base plate;
substantially filling an inside of the recess with a recording layer;
applying a material which is substantially transparent; and
curing the substantially transparent material.

26. The method of claim 25, wherein a thickness of the recording layer in a bottom portion of the recess formed in a surface of the reflection layer is 1.5 times or more as large as a thickness of the recording layer in a flat portion of the surface of the reflection layer.

27. The method of claim 25 ~~or 26~~, wherein the step (c) includes a step of applying the recording layer on the reflection layer by spin coating.